



# Product Data Sheet Urakyd™ AR202 Q1-51

**Polyurethane modified long-oil alkyd resin based on linoleic rich oils**

## Applications

- flooring
- semi gloss paints
- wood finish/boat varnish

## Principal properties

- hardness
- abrasion resistance

## Dilutability

Aliphatic hydrocarbons	complete
Aromatic hydrocarbons	complete
n-Butanol	insoluble

## Compatibility

Long-oil alkyds	complete
Medium-oil alkyds	complete
Linseed stand oil 30 dPas	incompatible
Rosin maleic resins	complete

## Recommendations on formulation and use

Urakyd AR202 is suitable for scratch resistant semi-gloss paints, abrasion resistant floor paints and boat varnishes. Urakyd AR202 has a high viscosity, connected to fast initial drying and good through-hardening. The stability of Urakyd AR202, applied in paints with inert pigments and/or extenders, is good. The use of reactive pigments and/or extenders should be avoided. A sufficient quantity of anti-skinning agent should be used for improved stability.

## Test methods

Test methods (TM) referred to in the tables are available on request.

## Material safety

A material safety data sheet of the products is available on request.

## Delivery form:

51% in de-aromatised hydrocarbon D60

## Product specifications

Property	Range	Unit	TM
Viscosity, 23°C	25 - 40	dPa.s	2324
Color, Gardner	max. 6	-	2017
Solids content	50 - 52	%	2038
Appearance	clear	-	2265
Acid value, on solid	0 - 5	mg KOH/g	2401

## Other product data

Property	Value	Unit	TM
Oil length	ca. 60	%	-
Type of oil	linoleic rich	-	-
Type of modification	TDI	-	-
Free Isocyanate	0	%	-
Density, 23°C	ca. 910	kg/m <sup>3</sup>	2160
Flash point	ca. 62	°C	2800

## Drier system

For proper drying characteristics it is recommended to use (weight% metal on solid resin):

Cobalt drier	0.02 - 0.03%
Calcium drier	0.05 - 0.1%
Zirco drier	0.2 - 0.3%

## Storage guidelines

The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5° C and 30° C. Exposure to direct sunlight should be avoided.

## Shelf life

Under the stipulated storage conditions, the anticipated shelf-life is 365 days from last quality control date, as stated in the Certificate of Analysis.

